

RIYAZ FAIZULLABHOY

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EDUCATION:

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|----------------|---|---------------|
| 8/11 – Present | University of California, Berkeley '15 | Berkeley, CA |
| | <ul style="list-style-type: none">• B.S. Electrical Engineering and Computer Science (EECS)• Overall GPA: 3.97, Major GPA: 4.00• Member and Officer of Eta Kappa Nu – EECS Honor Society• Relevant coursework:<ul style="list-style-type: none">◦ Structure & Interpretation of Computer Programs – CS 61A (Python) A+◦ Data Structures and Algorithms – CS 61B (Java) A+◦ Great Ideas in Computer Architecture – CS 61C (C, Assembly) A• Current coursework: Efficient Algorithms – CS 170, Artificial Intelligence – CS 188 | |
| 8/07 – 6/11 | Homestead High School | Cupertino, CA |
| | <ul style="list-style-type: none">• Class of 2011 Valedictorian• Weighted GPA: 4.50 National Merit Scholarship Commended, 99th Percentile• “Semper Fidelis” United States Marine Corps Award Recipient, 2011 | |

SKILLS AND INTERESTS:

- **Programming Languages:** Python, Java, C
- **Other Skills:** proficient with Eclipse IDE and Vim, Hadoop and experience with Amazon EC2, assembly code (MIPS), LaTeX, basic HTML, CSS, and JavaScript
- **Interests:** computing in science, big data, website design, cool hacks, traveling abroad, playing and watching competitive tennis, orchestral and wind band music

EXPERIENCE:

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| 6/12 – Present | Laboratory for Mathematical and Computational Biology – <i>Researcher</i> | Berkeley, CA |
| | <ul style="list-style-type: none">• Develop tools in Python of minimal algorithmic complexity to allow for high-throughput RNA or DNA sequencing through terabytes upon terabytes of input data• Added tools to the eXpress DNA and RNA sequencing tool to benefit user experience, wrote parsers for varying file formats and manipulated data using the PySam/Samtools API to standardize input amongst all current and new users to minimize user error• Wrote detailed and organized documentation for the Python tools using Sphinx | |
| 12/12 – Present | Eta Kappa Nu – EECS Honor Society – <i>Tutoring Officer</i> | Berkeley, CA |
| | <ul style="list-style-type: none">• Organize, lead, and generate study material for review sessions for all lower division electrical engineering and computer science classes for undergraduates on campus• Hold weekly tutoring office hours for undergraduates, and assist with internal events | |
| 10/11 – 6/12 | Zaarly Inc. – <i>Campus Marketer</i> | Berkeley, CA |
| | <ul style="list-style-type: none">• Implemented and devised marketing strategies to improve traction for ZaarlyU.com within the undergraduate student population at UC Berkeley to attract new users, increase the number of published posts, and promote interaction among student buyers | |